

Joseph F. Donoghue

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SUMMARY

Software developer and technical operations leader with a B.S. in Computer Science and active Secret clearance. Currently building data applications on the Maven Smart System and leading complex military operations. Ships production software, automates operational workflows, and translates large-scale data into actionable tools for decision-makers. Seeking technical program, product, or engineering-adjacent roles in defense technology or high-growth environments.

EXPERIENCE

Squadron Data Officer | 2nd Cavalry Regiment, U.S. Army

Nov 2025 – Present

- Architect and sole developer of a calendar operations application on Palantir Foundry (Python) with a Workshop frontend that ingests Outlook ICS data, deduplicates events, resolves acronyms, highlights scheduling conflicts for senior leaders, and generates formatted documents for distribution.
- Building an order-tracking system on Vantage that parses Regimental orders into a standardized format with change logs and real-time status visibility for Commanders, First Sergeants, and Platoon Leaders.
- Lead data integration and planning for Artillery Certification: a 3-week live-fire exercise involving 500+ personnel, 18 howitzers, and 40+ vehicles across multiple units and staff sections.
- Transform large operational datasets into actionable analytics and reporting tools, working directly with the Squadron Executive Officer, Operations Officer, and Squadron Commander.

Platoon Leader | Field Artillery Squadron, 2nd Cavalry Regiment

Jan – Nov 2025

- Led 40 Soldiers and managed \$12M in equipment including three M777 howitzers; completed a 30-day combat training rotation (Saber Junction 2025) with zero injuries and zero equipment loss.
- Executed live-fire operations and tactical movements under high-pressure conditions during Artillery Certification, coordinating across platoons and enabling mission-critical effects in a simulated combat environment.

Fire Support Officer | 2nd Cavalry Regiment

Oct 2023 – Jan 2025

- Chief fires advisor to Troop Commander; planned and coordinated fire support, led a 4-person team with a Stryker Fire Support Vehicle across training and operational deployments.
- Trained Polish Armed Forces on call-for-fire procedures (Saber Strike, Poland) and trained Ukrainian forces on U.S. fire support tactics; briefed senior leaders across units.
- Enabled deployment of MFLTS (Machine Foreign Language Translation System), an Army AI translation tool, during multinational exercises.

PROJECTS

Politiverse | politiverse.com

2024 – Present

- Built and deployed a full-stack AI-powered political news platform featuring real-time story tracking with timelines, SCOTUS case analysis via CourtListener API, historical document archives, passwordless authentication, and automated newsletter delivery via Mailgun.
- Stack: Django, PostgreSQL, HTMX, Alpine.js, Tailwind CSS, Docker, deployed on DigitalOcean with Cloudflare CDN. Integrated Claude API for automated content generation, bias review, and multi-perspective analysis.

Technical Prototyping & AI Experiments | x.com/joefdonoghue

Ongoing

- Rapid prototyping of AI-driven tools, workflow automation, and generative systems. Publicly documented experiments with emerging AI technologies and lessons learned.

TECHNICAL SKILLS

Languages & Frameworks: Python, Django, JavaScript, Node.js, SQL, HTML/CSS

Infrastructure & Tools: Docker, PostgreSQL, Git/GitHub, Linux/WSL2, AWS, DigitalOcean, Cloudflare, REST APIs

Data & Platforms: Maven Smart System, Palantir Foundry, Palantir Vantage, Workshop, operational data transformation, dashboard development

Other: LLM/AI integration, workflow automation, technical documentation, process design

EDUCATION

Bachelor of Science in Computer Science | Texas Christian University, Fort Worth, TX

2022

Security Clearance: Active Secret